

of inhibitor in a sample such that the column containing the chromatographic carrier can be used repeatedly.

³³
~~31~~ 30. The device according to claim ~~28~~ wherein the column is exchangeable. ^{11 28}

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~~31~~ 31. The device according to claim ~~28~~ wherein the detector is a fluorescence detector. ^{11 28}

⁵⁵
~~32~~ 32. The device according to claim ~~28~~ wherein the device further comprises a valve/pump assembly between the column and detector. ^{1 28}

⁶⁶
~~33~~ 33. The device according to claim ~~32~~ wherein the valve/pump assembly is capable of delivering a measuring buffer to the sample after it has left the column. ⁵⁵

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~~34~~ 34. The device according to claim ~~28~~ wherein the device further comprises a control device for determining purity of a buffer discharged from the column. ^{11 28}

⁸⁸
~~35~~ 35. The device according to claim ~~34~~ wherein the control device functions photometrically. ^{7 38}

³⁷
~~36~~ 36. The device according to claim ~~28~~ further comprising a measuring device capable of detecting sample dilution. ²⁹

¹⁰⁰
~~37~~ 37. The device according to claim ~~28~~ wherein the detector and column are independently thermostated. ^{11 28}

^{11 11}
~~38~~ 38. The device according to claim ~~28~~ further comprising at least one valve assembly capable of supplying a wash buffer to the column. ^{11 28}

Sub C3 [40²⁹. The device according to claim ²⁹ further comprising a computer control system.

13¹³ 41²⁸. The device according to claim ²⁸ further comprising at least one valve assembly capable of supplying the sample through the column or outside of the column.

Sub C4 [42⁴¹. A device for measuring the concentration of an enzyme inhibitor in liquids, the device comprising a column and a detector, the column including a chromatographic carrier having a substance capable of binding an enzyme corresponding to said enzyme inhibitor in a sample, the column being capable of delivering at least a part of the sample discharged from the column to the detector.

3' 15⁴³ 42. The device according to claim ⁴¹ wherein the chromatographic carrier contains an excess amount of substance capable of binding an enzyme relative to the amount of enzyme in a sample such that the column containing the chromatographic carrier can be used repeatedly.

16⁴⁴ 43. The device according to claim ⁴¹ wherein the column is exchangeable.

17⁴⁵ 44. The device according to claim ⁴¹ wherein the detector is a fluorescence detector.

18⁴⁶ 45. The device according to claim ⁴¹ wherein the device further comprises a valve/pump assembly between the column and detector.

19⁴⁷ 46. The device according to claim ⁴⁵ wherein the valve/pump assembly is capable of delivering a measuring buffer to the sample after it has left the column.

²⁰
~~47~~ 47. The device according to claim ~~41~~ wherein the device further comprises a control device for determining purity of a buffer discharged from the column.

²¹
~~48~~ 48. The device according to claim ~~41~~ wherein the control device functions photometrically.

⁵⁰
~~49~~ 49. The device according to claim ~~41~~ further comprising a measuring device capable of detecting sample dilution.

²³
~~50~~ 50. The device according to claim ~~41~~ wherein the detector and column are independently thermostated.

²⁴
~~51~~ 51. The device according to claim ~~41~~ further comprising at least one valve assembly capable of supplying a wash buffer to the column.

²⁵
~~52~~ 52. The device according to claim ~~41~~ further comprising at least one valve assembly capable of supplying the sample through the column or outside of the column.

⁵⁴
~~53~~ 53. The device according to claim ~~41~~ further comprising a computer control system.

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~~54~~ 54. A method for measuring the activity of an enzyme in liquid comprising:

applying a sample to a column, the column including a chromatographic carrier having a substance capable of binding an enzyme inhibitor corresponding to said enzyme in the sample;

delivering at least a part of the sample discharged from the column to a detector; and

measuring enzyme activity.

²⁸
~~58~~ 58. The method according to claim ~~54~~ wherein the chromatographic carrier contains an excess amount of substance capable of binding an enzyme inhibitor relative to the amount of inhibitor in a sample such that the column containing the chromatographic carrier can be used repeatedly.

²⁹
~~58~~ 58. The method according to claim ~~54~~ wherein the column is exchangeable.

³⁰
~~58~~ 58. The method according to claim ~~54~~ wherein the detector is a fluorescence detector.

³¹
~~58~~ 58. The method according to claim ~~54~~ further comprising a valve/pump assembly between the column and detector.

³²
~~58~~ 58. The method according to claim ~~58~~ wherein the valve/pump assembly is capable of delivering a measuring buffer to the sample after it has left the column.

³³
~~58~~ 58. The method according to claim ~~54~~ further comprising a control device for determining purity of a buffer discharged from the column.

³⁴
~~58~~ 58. The method according to claim ~~60~~ wherein the control device functions photometrically.

⁶³
~~58~~ 58. The method according to claim ~~54~~ further comprising a measuring device capable of detecting sample dilution.

³⁶
~~58~~ 58. The method according to claim ~~54~~ further comprising at least one valve assembly capable of supplying the sample through the column or outside the column.

37 37
64. The method according to claim 54 wherein the detector and column are independently thermostated.

38 66 27 65
65. The method according to claim 54 further comprising at least one valve assembly capable of supplying a wash buffer to the column.

67 66 55
66. The method according to claim 54 further comprising a computer control system.

68 67
67. A method for measuring an enzyme inhibitor in liquid comprising:

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applying a sample to a column, the column including a chromatographic carrier having a substance capable of binding an enzyme corresponding to said enzyme inhibitor in the sample;

delivering at least a part of the sample discharged from the column to a detector; and measuring enzyme inhibitors.

411 68 40 68
68. The method according to claim 67 wherein the chromatographic carrier contains an excess amount of substance capable of binding an enzyme relative to the amount of enzymes in a sample such that the column containing the chromatographic carrier can be used repeatedly.

412 70 40 68
69. The method according to claim 67 wherein the column is exchangeable.

413 71 40 68
70. The method according to claim 67 wherein the detector is a fluorescence detector.

414 71 40 68
71. The method according to claim 67 further comprising a valve/pump assembly between the column and detector.

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452⁷² 72. The method according to claim 71 wherein the valve/pump assembly is capable of delivering a measuring buffer to the sample after it has left the column.

462⁷³ 73. The method according to claim 67 further comprising a control device for determining purity of a buffer discharged from the column.

472⁷⁴ 74. The method according to claim 73 wherein the control device functions photometrically.

sub C91 482⁷⁵ 75. The method according to claim 67 further comprising a measuring device capable of detecting sample dilution.

492⁷⁶ 76. The method according to claim 67 further comprising at least one valve assembly capable of supplying the sample through the column or outside the column.

502⁷⁷ 77. The method according to claim 67 wherein the detector and column are independently thermostated.

512⁷⁸ 78. The method according to claim 67 further comprising at least one valve assembly capable of supplying a wash buffer to the column.

sub C14 802⁷⁹ 79. The method according to claim 67 further comprising a computer control system.

REMARKS

Upon entry of the present amendment, claims 1-27 have been canceled and claims 28-79 are pending.